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Waste Site Reclassification Form

Date Submitted: 8/27/1999	Operable Unit(s): 200-CW-5	Control Number: 99-067
Originator: B.H. Ford	Waste Site ID: UPR-200-W-139	
Phone: 372-9176	Type of Reclassification Action: Rejected <input checked="" type="radio"/> Closed-Out <input type="radio"/> No Action <input type="radio"/>	

This form documents agreement among the parties listed below authorizing classification of the subject unit as rejected, closed-out, or no action and authorizing backfill of the site, if appropriate. Final removal from the NPL of no action or closed-out sites will occur at a future date.

Description of current waste site condition:

The site is an unplanned release into the eastern fork of the 216-U-9 Ditch. The eastern fork of the 216-U-9 Ditch was abandoned in 1954. Currently, the eastern fork of the ditch is not marked or posted. It has no chain barricades or radiation warning signs and is partially backfilled. There are no permanent monuments or other identifiers at the site. The head end of the 216-U-9 Ditch, beginning south of 13th Street, is still an open, dry ditch. There is mature sagebrush growing on the side slopes of the open ditch.

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APR 21 2000**EDMC****Basis for reclassification:**

The site is fully contained in the 216-U-9 Ditch and will be addressed with the cleanup of the 216-U-9 Ditch.

<u>Bryan L. Foley</u> DOE Project Manager	<u>Lynne J. King</u> Signature	<u>1/26/01</u> Date
<u>Douglas R. Sherwood</u> EPA Project Manager	<u>Douglas R. Sherwood</u> Signature	<u>1/25/00</u> Date

Waste Information Data System

General Summary Report

11/23/1999

Site Code:	UPR-200-W-139	Site Classification:	Accepted	Page 1
Site Names:	UPR-200-W-139, Liquid Release to the 216-U-9 Ditch, UN-200-W-139, UPR-200-W-18			
Site Type:	Unplanned Release	Start Date:	1953	
Status:	Inactive	End Date:	1954	
Operable Unit:	200-CW-5	Coordinates:		
Hanford Area:	200W	(E)	0	
		(N)	0	
		Washington State Plane		
Site Description:	<p>The site is an unplanned release into the eastern fork of the 216-U-9 Ditch. The eastern fork of the 216-U-9 Ditch was abandoned in 1954. Currently, the eastern fork of the ditch is not marked or posted. It has no chain barricades or radiation warning signs and is partially backfilled. There are no permanent monuments or other identifiers at the site. The head end of the 216-U-9 Ditch, beginning south of 13th Street, is still an open, dry ditch. There is mature sage brush growing on the side slopes of the open ditch.</p> <p>This site has been consolidated with the 216-U-9 Ditch.</p>			
Location Description:	UPR-200-W-139 occurred within the eastern fork of the 216-U-9 Ditch. The ditch lies southwest of the 241-SX Tank Farm, outside of the 200 West Area perimeter fence.			
Process Description:	<p>The 216-U-9 Ditch received overflow from the 216-U-10 Pond. The release site was within the eastern fork of the 216-U-9 Ditch. The ditch connected the 216-U-10 Pond with the 216-S-17 Pond. The 216-U-9 Ditch was released from radiation zone status in 1969. In 1973, a portion of the 216-U-9 Ditch was reopened and reused to connect the 216-U-10 Pond overflow to the 216-S-16 Pond. The first 152.50 meters (500 feet) of the original 216-U-9 Ditch were reused.</p>			
Associated Structures:	UPR-200-W-139 was associated with the 216-U-9 Ditch.			
Site Comment:	<p>The contamination in the original 216-U-9 Ditch was covered in the Spring of 1954 with clean soil. It was reported to have been designated as a radiation zone and posted with "Underground Contamination" signs located at intervals on both sides of the ditch. Additional corrective action may have been provided. The release occurred in September 1953. Based on a document review, UPR-200-W-139 and UPR-200-W-18 are both the same event. In 1973, a new overflow ditch was opened between the 216-U-10 Pond and the 216-S-16 Pond. The new ditch is known as the 216-U-9 west fork.</p>			
Cleanup Activities:	<p>On April 15, 1969, five test holes were bored to a depth of 2.4 meters (8 feet) in the old ditch leading from U Swamp (216-U-10) to the old Reduction Oxidation (REDOX) Swamp (216-S-17). Holes were bored at each end of the ditch and near the center of the length of the ditch. No contamination was detected. It was recommended that the ditch be released from radiation zone status. In 1973, four trenches approximately 1.2 meters (4 feet) deep were dug across the old ditch prior to installing a new overflow ditch between the 216-U-10 Pond and the 216-S-16 Pond. No contamination was found.</p>			
Release Description:	<p>Contamination from an unknown source was detected in the 216-U-9 Ditch in September 1953. In the spring of 1954, the contamination was covered with 0.6 meters (2 feet) of clean soil. It was designated as a radiation zone and posted with Underground Radioactive Material signs. No mention is found in the records regarding the level of contamination.</p>			
Environmental Monitoring Description:	<p>In 1973, four trenches were cut across the 216-U-9 Ditch at intervals to determine the radiation status of the facility. No radioactivity was found. When a new trench was cut from the 216-U-10 Pond to the 216-S-16 Pond, the new routing used the first 153 meters (500 feet) of the original 216-U-9 Ditch. No radioactivity was encountered in the digging.</p>			
References:	<ol style="list-style-type: none">1. K. F. Baldridge, 7/15/59, Unconfined Underground Radioactive Waste and Contamination in the 200 Areas - 1959, HW-60607.2. H. L. Medfield, 4/1/79, Handbook - 200 Area Waste Sites (Volumes 1, 2 and 3), RHO-CD-673.3. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/68, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.4. 2/89, Preliminary Operable Units Designation Project, WHC-EP-0216.5. Deford, D.H., R.W. Carpenter, 1995, S-Plant Aggregate Area Management Study Technical Baseline Report, BHI-00176.6. KEY PLAN AREA MAP-200 WEST "S" PLANT FACILITIES, H-2-44510, SH 2.			

Regulatory Information:**Programmatic Responsibility**

DOE Program: EM-40 Confirmed By Program: Yes
DOE Division: RPD - Restoration Projects Division
Responsible Contractor/Subcontractor: BHI - Bechtel Hanford, Inc.

Site Evaluation

Solid Waste Management Unit: No
TPA Waste Management Unit Type: Unplanned Release Unit

This Site Was Consolidated With:

218-U-9, U Swamp-S Swamp Ditch, 218-U-8

Reason: Within Boundary Of Larger Site

Permitting

RCRA Part A Permit:	No	218/218 Permit:	No
RCRA Part B Permit:	No	NPDES:	No
Closure Plan:	No	State Waste Discharge Permit:	No
TSD Number:		Septic Permit:	No
Air Operating Permit:	No	Inert Landfill:	No
Air Operating Permit Number(s):			

Tri-Party Agreement

Lead Regulatory Agency: EPA
Unit Category: CERCLA Past Practice (CPP)
TPA Appendix: C

Remediation and Closure

Decision Document:
Decision Document Status:
Remediation Design Group:
Closure Document:
Closure Type:

Post Closure Requirements:

Residual Waste:

Waste Information:

Type: Process Effluent
Category: Mixed
Physical State: Liquid

Description: References state the ditch became contaminated in September of 1953 and was backfilled in spring of 1954. No details of the release are included.

References: 1. K. F. Baldrige, 7/15/59, Unconfined Underground Radioactive Waste and Contamination in the 200 Area - 1959, HW-60807.
2. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.

Field Work:

Type: Site Walkdown
Begin Date: 07/30/1999 Field Crew: C. R. Webb
End Date: 07/30/1999
Purpose: verification
Comment: The release is not separately marked or posted from the ditch.
References: 1. C. R. Webb, Field Logbook assigned to Christine Webb, EL-1255 and EL-1255-1.

Images:

Date Taken: 3/10/98
Pathname: \\bh002\esd-img\200W\1449\1449_01.JPG
Description: This digital photo was taken at the north end of 216-U-9 looking south. 216-U-9 was the site of this unplanned release.
Date Taken: 7/30/99
Pathname: \\bh002\esd-img\200W\1449\1449_02.JPG
Description: Photo shows the dry 216-U-9 ditch looking south.